

College of Agriculture

R.L. GUTHRIE, *Dean*
J.D. WILLIAMS, *Interim Associate Dean*

THE COLLEGE OF AGRICULTURE prepares its students for careers in the agricultural sector and related professions as well as admission to graduate school, law, and health related professional schools, and favors success in whatever field they choose. With a strong emphasis in living science, challenging science-based curricula prepare graduates for a variety of opportunities throughout a global food, agricultural and natural resource system. Graduates are prepared to become productive global citizens and prepared to address challenges of providing an abundant, relatively safe, affordable food, fiber and renewable bio-energy system while protecting environmental and water resources. Courses provide foundational knowledge in contemporary science and culturally relevant subject areas. Many of the basic science courses taken in the freshman and sophomore years serve as a foundation for additional basic and applied coursework in a specific major during the junior and senior year. The college's friendly atmosphere fosters strong academic, engaged learning environments and student development around life-skills and international issues.

Curricula are offered in agricultural business and economics, agricultural communications, agronomy and soils, animal sciences, fisheries and allied aquacultures, horticulture and poultry science. The College of Agriculture also furnishes the subject matter training in agriculture for the curricula of biosystems engineering and agriscience education

Employment opportunities for graduates with expertise gained in the majors are expected to remain strong for the next five years. Possible careers include: agricultural economists, agricultural engineers, agronomists, animal nutritionists, aquaculturalists, biochemists, biological engineers, biometricians, botanists, business managers, cell biologists, climatologists, educators, extension specialists, entomologists, environmental scientists, farm services, fisheries scientists, florists, food systems and safety workers, golf course horticulturalists, poultry scientists, molecular biologists, plant pathologists, plant physiologists, quality assurance workers, rural sociologists, science writers, soil scientists, toxicologists, turf scientist /specialists, plant scientists and many more.

Transfer credits for agricultural subjects not considered equivalent to those required in the chosen curriculum may be substituted for elective credit; however, duplication of credit will not be allowed. Equivalence of agricultural subjects will be determined by the Dean's Office; however, students may also obtain transfer credit on the basis of validating examinations. Arrangements for validating examinations must be made with the academic dean of Agriculture in the first term of enrollment in the College of Agriculture at Auburn and the examinations must be completed before the middle of the second term. Transfer credit for courses which are upper-division courses at AU will not be accepted from two-year colleges.

Pre-Veterinary Medicine and Pre-Professional

Curricula within the college enable students to be advised to complete requirements for admission to health related professional schools. It is possible to gain admission to the College of Veterinary Medicine upon completion of the minimum requirements listed below. Students may declare an option upon admission to the College of Agriculture and must declare an option by the end of their freshman year. If students are admitted to the College of Veterinary Medicine after the completion of all the requirements in the first three years of the option, they may obtain a bachelor of science degree in the option after completion of the freshman year in the College of Veterinary Medicine.

The minimum requirements (74 semester hours) for admission to the College of Veterinary of Medicine, Auburn University are incorporated in the first three years of the options listed under the following curricula: animal sciences, fisheries and allied aquacultures and poultry science.

English Composition (6), Mathematics (3), Core History (6), Philosophy (3), PHYS 1500 and, PHYS 1510 (8), Literature (6), Social Studies (6), BIOL 1020 & 1030 (8), CHEM 1030 & 1031 and CHEM 1040 & 1041 (8), CHEM 2070 & 2071, and CHEM 2080 & 2081 (8), Fine Arts (3), BCHE 3200 (3), Scientific Electives (6), ANSC 3400 (4).

See also the curriculum in Pre-Veterinary Medicine (PVET), College of Science and Mathematics.

Dual-Degree Program with Engineering

This program gives students the opportunity to receive two baccalaureate degrees - one in agriculture and one in engineering. Although the program was developed primarily for students desiring a combination of a biological sciences program with an engineering program, it does not preclude the consideration of other Agriculture-Engineering combinations.

In general, students will be enrolled in the College of Agriculture for approximately three years and in the Samuel Ginn College of Engineering for approximately two years. During the first three years, the students, should take those mathematics, physics and chemistry courses necessary to allow them to transfer to the Samuel Ginn College of Engineering. Additionally, before transferring to the Samuel Ginn College of Engineering, they should have completed approximately three-fourths of the total hours required by the College of Agriculture for the awarding of the degree.

To become dual-degree candidates under this program, students must have GPAs which indicate the likelihood of satisfactory completion of Samuel Ginn College of Engineering degree requirements and recommendation from the dean of the College of Agriculture. The recommendation should be sought one term before the expected transfer to the Samuel Ginn College of Engineering.

It is also possible for qualified students to transfer to the Samuel Ginn College of Engineering following the junior year with the intent of seeking a master's degree rather than a bachelor's degree in one of the engineering disciplines. Consult the Engineering Dean's Office concerning this option.

Minors

AGRIBUSINESS MINOR

18 semester hours in minor (minimum 9 hours at 3000 level or above)

Courses required		Cr. Hr.
ACCT	2910	Fundamentals of Accounting3
AGEC	4040	Agricultural Finance3
AGEC	4000	Principles of Agribusiness MngtOR
AGEC	5010	Farm ManagementOR
AGEC	5100	Agribusiness Management3
Elective Courses - See advisor for approved course listing.		

AGRONOMY AND SOILS MINOR

17 semester hours in minor (minimum 9 hours at 3000 level or above)

Courses required		Cr. Hr.
AGRN	1000	Basic Crop Science4
AGRN	2040	Basic Soil Science4
Elective Courses - See advisor for approved course listing.		

ANIMAL SCIENCES MINOR

15 semester hours in minor (minimum 9 hours at 3000 level or above)

Courses required		Cr. Hr.
ANSC	1000	Introduction to Animal Sciences.....4
Elective Courses - See advisor for approved course listing.		

ENTOMOLOGY MINOR

15 semester hours in minor (minimum 9 hours at 3000 level or above)

Courses required		Cr. Hr.
ENTM	3040	General Entomology4
Elective Courses - See advisor for approved course listing.		

FISHERIES AND ALLIED AQUACULTURES MINOR

Junior (03) classification is required

15 semester hours in minor (minimum 9 hours at 3000 level or above)

Select from the following courses		Cr. Hr.
FISH	2100	Introduction to Fisheries Science6
FISH	5210	Principles of Aquaculture3
FISH	5220	Water Science3
FISH	5250	Aquaculture Production4
FISH	5320	Limnology4
FISH	5380	Ichthyology4
FISH	5410	Introduction to Fish Health2
FISH	5510	Fisheries Biology and Management3

College of Agriculture

AGRICULTURAL LEADERSHIP STUDIES MINOR

18 semester hours in minor (minimum 9 hours at 3000-level or above)

Courses required		Cr. Hr.
AGRI 3800	Agricultural Leadership Development	2
AGRI 5840	Adv. Agricultural Leadership Development	3
ANSC 4800	Issues in Agriculture	2
POLI 2100	State and Local Government	3
Elective Courses - See advisor for approved course listing.		

NATURAL RESOURCES ECONOMICS AND ENVIRONMENTAL POLICY MINOR

15 semester hours in minor (minimum 12 hours at 3000-level or above)

Group A (Select 9 hours):

Courses required		Cr. Hr.
AGEC 5090	Resource Economics I	3
ECON 5200	Urban and Reg Econ Dev	3
RSOC 5650	Soc Nat Res & Envir	3
GEOG 5830	Geog Information Systems	4

Group B (Select 6 hours):

Courses required		Cr. Hr.
AGEC 4300	Ag Policy & Trade	3
AGEC 4120	Envir & Nat Res Econ	3
FORV 3440	Environmental Law	3
FORV 5310	Intro to Envir Ethics	3

PLANT PATHOLOGY MINOR

15 semester hours in minor

Courses required		Cr. Hr.
PLPA 3000	General Plant Pathology	4
Elective Courses - See advisor for approved course listing.		

POULTRY SCIENCE MINOR

15 semester hours in minor (minimum 12 hours at 3000 level or above)

Courses required		Cr. Hr.
POUL 1000	Introductory Poultry Science	3
POUL 3030	Commerical Poultry Production	4
Elective Courses - See advisor for approved course listing.		

RURAL AND COMMUNITY DEVELOPMENT MINOR

15 semester hours in minor (minimum 9 hours at 3000-level or above)

Courses required		Cr. Hr.
RSOC 3620	Community Organization	3
SOCY 3700	Methods of Social Research	3
Elective Courses - See advisor for approved course listing.		

Agricultural Business and Economics (AGEC)

The curriculum provides broad technical training and a strong liberal arts and business background to prepare students for careers in a wide array of agribusiness and related fields.

Students may choose a general program of study, or select one of four career tracks that provides more specialized training in: (1) Agribusiness Management and Marketing that emphasizes training in business management, marketing/sales, and finance, (2) Farm Management that emphasizes management and decision-making skills at the farm level, (3) Natural Resources Management that trains students in resource issues and effective utilization of those resources, or (4) Community and Economic Development that emphasizes the roles of public and private entities in the developmental process. The curriculum is designed to help students reach their academic goals and prepare them for a rewarding career.

Curriculum in Agricultural Business & Economics

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
HIST	1210	1220	Technology & Civilization I & II	3	3
MATH	1680	1690	Calculus w/Business Applications I & II	4	3
SOCY	1000		Sociology: Global Perspective	3	**
			Core Fine Arts	3	**
COMP		1000	Personal Computer Applications	**	2
ECON		2020	Principles of Microeconomics	**	3
				16	14
SO					
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
ECON	2030		Principles of Macroeconomics	3	**
ENGL	2200	2210	World Literature I & II	3	3

PHIL			1020 Ethics or 1040 Business Ethics	3	**
ACCT	2110	2210	Financial & Managerial Accounting	3	3
STAT		2610	Statistics for Bus & Economics OR	**	3
STAT		2510	Statistics for Biology & Health Sci	**	**
COMM		1000	Public Speaking	**	3
				16	16
JR					
ECON	3020		Intermediate Microeconomics	3	**
ENGL	3080		Business Writing	3	**
AGEC	4040		Agribusiness Finance	3	**
			Agricultural Elective	4	4
			Elective	2	4
AGEC	3010		Agricultural Marketing	**	3
AGEC	4950		Undergraduate Seminar	**	0
			Professional Elective	**	4
				15	15
SR					
AGEC	4070		Agricultural Law	3	**
AGEC	5100		Agribusiness Management	3	**
AGEC	5090		Resource Economics I	3	**
			Professional Elective	5	5
AGEC	5030		Agricultural Prices	**	3
AGEC	4300		Agricultural Trade & Policy	**	3
AGEC	5010		Farm Management	**	3
UNIV	4AA0		AG1 Undergraduate Graduation	**	0
				14	14

TOTAL HOURS - 120

Agricultural and Professional Electives: see advisor for approved list.

Agricultural Communications (AGCO)

The fast-paced world of global agriculture calls for adaptive communicators able to stay on the cutting edge of change and technology. The curriculum provides systematic study and development of skills in all forms of effective communication, writing, speaking, journalism, media and public relations, leadership, photography, electronic media, instructional design, graphic and Web-design, information technology, publishing, research, and marketing. Prepared with a foundation of biological, chemical sciences and strong science-based agricultural courses, AGCO graduates are highly sought after for careers which extend knowledge about agriculture, natural resources, and life and human sciences to people worldwide. Possible careers include: writers, database programmers, photographers, graphic designers, Web developers, videographers, electronic/digital media producers, marketing specialists, public relations practitioners, publishers, researchers, distance education specialists, educators and managers and editors of magazines and newsprint. Graduates work throughout corporate America, institutions of higher learning, government agencies, medical technology operations, lobbyist groups and research organizations in the public and private sector. This combination of technical subject matter knowledge and communication skills is not found in other curricula.

Curriculum in Agricultural Communications

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
ENGL	1100	1120	English Composition I & II	3	3
MATH	1130		Pre-Calculus with Trigonometry	3	**
			Core History	3	3
			Core Social Science I	**	3
JRNL		1100	Newspaper Fundamental	**	3
				13	16
SO					
CHEM	1030	1040	Fund of Chemistry I & II	3	3
CHEM	1031	1041	Fund of Chemistry Lab I & II	1	1
ENGL	2200	2210	World Literature I & II	3	3
			Core Fine Arts	**	3
JRNL	2210		Newswriting	3	**
JRNL		2910	Practicum in Journalism	**	1
JRNL	2310		Reporting	**	3
COMP	1000		Personal Computer Applications	2	**
			POUL or ANSC	3-4	**
				16-17	14
JR					
ECON	2020		Microeconomics	3	**
			Core Philosophy	**	3
			Feature Writing	3	**
JRNL	3220		Photo Journalism	3	**
JRNL	3410		Newspaper Editing/Design	**	3
RTVF	3380		Broadcast News	**	3
			RTVF 2340, Radio Production; OR		
			RTVF 2360, Television Production; OR		
			RTVF 2370, Electronic Field Production	**	3
			HORT or AGRN	4	**

College of Agriculture

COMM 1000		Public Speaking	3	**
AGEC 3010		Agricultural Marketing	**	3
			16	15
SUMMER				
JRNL 4920		Internship OR		
JRNL 4430		Journalism Workshop	3	
			3	
SR				
PRCM 3040		Found of Public Relations	3	**
RTVF	3350	Writing for TV/Radio/Film	**	3
JRNL 4470		Adv. Feature Writing OR		
JRNL 4230		Adv. Reporting OR		
JRNL 4460		Press Law and Ethics	3	**
AGEC 4070		Agricultural Law	**	3
AGRN 2040		Basic Soil Science	4	**
		Agricultural Elective	**	4
		Elective	4	3-4
UNIV	4AA0	AG1 Undergraduate Graduation	**	0
			14	13-14

TOTAL HOURS - 120

Agricultural Elective - See Advisor for approved course listing.
HORT, AGRN, ANSC, POUL - See Advisor for approved course listing.

Agronomy and Soils (AGRN)

Courses prepare Agronomy graduates for: (1) turfgrass industry, (2) chemical industry, producers of fertilizers, herbicides and other agricultural chemicals; (3) farm-advisory agencies such as soil testing laboratories and other private consultants; (4) public farm-advisory agencies such as the Agricultural Extension System or the Natural Resources Conservation Service; (5) research agencies of corporations, U.S. Department of Agriculture, colleges and universities and Agricultural Experiment Stations; (6) farming and (7) environmental agencies.

Curriculum in Agronomy & Soils - Production Track

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
CHEM	1030	1040	Fundamentals Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals Chemistry I & II Lab	1	1
ENGL		1100	English Composition I	**	3
MATH	1130	1610	Math	3	4
AGRN 1000			Basic Crop Science	4	**
			Elective	1	**
				16	15
SO					
ENGL	1120		English Composition II	3	**
ENGL		2200	World Literature I	**	3
HIST	1210	1220	Technology & Civilization I & II	3	3
			Core Social Science Group I	**	3
			Core Fine Art	**	3
ACCT	2810		Fundamentals of Accounting Princ	3	**
			Elective	**	3
CHEM		2030	Organic Chemistry	**	3
AGRN 2040			Basic Soil Science	4	**
				16	15
JR					
ECON	2020		Microeconomics	3	**
ENGL	2210		World Literature II	3	**
AGRN		5020	Nutrient Management	**	3
BIOL	3100		Plant Biology	3	**
BIOL	3101		Plant Biology Lab	1	**
PLPA	3000		General Plant Pathology	**	4
AGRN 3120			Weed Science	4	**
AGRN 4000			Advanced Crop Production	**	3
AGRN 5150			Soil Morphology	**	4
			Elective	1	**
				14	15
SR					
			Core Philosophy	**	3
AGEC	4000		Principles of Agribusiness Mgmt	3	**
AGRN 3150			Turfgrass Management	**	4
AGRN 5000			Soils & Environment Quality	**	3
AGRN 5080			Soil Resources & Conser	4	**
AGRN 5100			Plant Genetics and Crop Imp	3	**
AGRN 4010			Princ of Forage Production	**	3
AGRN 4950			Senior Seminar	**	1
ENTM	4020		Economic Entomology	**	4
			Elective 1	**	**
UNIV	4AA0		AG1 Undergraduate Graduation	**	0
				14	15

TOTAL HOURS - 120

Curriculum in Agronomy & Soils - Business Track

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
CHEM	1030	1040	Fundamentals Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals Chemistry I & II Lab	1	1
ENGL		1100	English Composition I	**	3
MATH	1130	1610	Math	3	4
AGRN 1000			Basic Crop Science	4	**
			Elective	1	**
				16	15
SO					
ECON		2020	Microeconomics	**	3
ENGL	1120		English Composition II	3	**
ENGL		2200	World Literature I	**	3
HIST	1210	1220	Technology & Civilization I & II	3	3
			Core Social Science Group I	3	**
ACCT	2810		Fundamentals of Accounting Principles	3	**
			Elective	**	3
CHEM		2030	Organic Chemistry	3	**
AGRN 2040			Basic Soil Science	**	4
				15	16
JR					
ENGL		2210	World Literature II	**	3
BIOL	3100		Plant Biology	3	**
BIOL	3101		Plant Biology Lab	1	**
AGRN	5100		Plant Genetics and Crop Imp	3	**
PLPA		3000	General Plant Pathology	**	4
AGRN 5150			Soil Morphology	**	4
AGRN 3120			Weed Science	4	**
MNGT 3100			Principles of Management	3	**
			Elective	3	**
				14	14
SR					
			Core Philosophy	**	3
			Core Fine Arts	3	**
AGEC	4070		4070 Ag Law or 4040 Ag. Finance	**	3
ENTM	4020		Economic Entomology	4	**
AGRN 4000			Advanced Crop Production	**	3
AGRN 5000			Soils & Environ Quality	3	**
AGRN 5020			Nutrient Management	**	3
AGRN 4950			4010 or 3150	**	3-4
AGRN 4950			Senior Seminar	**	1
AGEC 4000			Principles of Agribusiness Mgmt	3	**
			Elective	1	**
UNIV	4AA0		AG1 Undergraduate Graduation	**	0
				14	17

TOTAL HOURS - 120

Curriculum in Agronomy & Soils - Science Track

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
CHEM	1030	1040	Fundamentals Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals Chemistry I & II Lab	1	1
ENGL		1100	English Composition I	**	3
MATH	1130	1610	Math	3	4
AGRN 1000			Basic Crop Science	4	**
			Elective	1	**
				16	15
SO					
ENGL	1120		English Composition II	3	**
ENGL		2200	World Literature I	**	3
HIST	1210	1220	Technology & Civilization I & II	3	3
			Core Social Science Group I	**	3
			Elective	**	3
CHEM	2070		Organic Chemistry	3	**
CHEM	2071		Organic Chemistry Lab	1	**
CHEM		3050	Analytical Chemistry	**	3
CHEM		3051	Analytical Chemistry Lab	**	1
AGRN 2040			Basic Soil Science	4	**
				14	16
JR					
ECON	2020		Microeconomics	3	**
ENGL	2210		World Literature II	3	**
BIOL	3100		Plant Biology	3	**
BIOL	3101		Plant Biology Lab	1	**
BIOL		3000	Genetics	**	4
PHYS		1500	General Physics I	**	4
PLPA		3000	General Plant Pathology	**	4
AGRN 5150 or BIOL 5120			AGRN 5150 or BIOL 5120	**	4
AGRN 3120			Weed Science	4	**
				14	16
SR					
			Core Philosophy	**	3
			Core Fine Arts	3	**
ENTM	4020		Economic Entomology	4	**
BIOL	3200		General Microbiology	4	**
AGRN 5020			Nutrient Management	**	3

College of Agriculture

		Agronomy & Soils Elective	4	4
AGRN		4010 or 4000	**	3
AGRN	4950	Senior Seminar	**	1
UNIV	4AA0	AG1 Undergraduate Graduation	**	0
			15	14

TOTAL HOURS - 120

Agronomy & Soils electives to be taken from courses approved by adviser.

Curriculum in Agronomy & Soils - Turfgrass Track

Agronomy and Soils -Turfgrass Track				
FR	F	S	F	S
BIOL	1020		Principles of Biology & Lab (1021)	4 **
BIOL		1030	Organismal Biology & Lab (1031).....	** 4
CHEM	1030	1040	Fundamentals Chemistry I & II	3 3
CHEM	1031	1041	Fundamentals Chemistry I & II Lab	1 1
ENGL		1100	English Composition I	** 3
MATH	1130		Math	3 **
AGRN	1000		Basic Crop Science	4 **
AGRN	2040		Basic Soil Science	4 **
				15 15

SUMMER				
ENGL	1120		English Composition II.....	3
HIST	1210		Technology and Civilization I	3
			Elective	3
FLSP	1010		Spanish	4
				13

See advisor for approved list for Soils Electives, ECON/MNGT Electives, Plant Science Elective

SO				
BIOL		3100	Plant Biology OR	** 3
HORT		3000	Growth & Dev of Hort Plants	** 3
HIST		1220	Technology & Civilization I & II	** 3
ENGL		2200	World Literature I	** 3
			Core Social Science Group I	** 3
MATH	1610		Calculus I.....	4 **
CHEM	2030		Organic Chemistry.....	3 **
ECON		2020	Microeconomics	** 3
AGRN	3120		Weed Science	4 **
AGRN	3150		Turfgrass Management	4 **
				15 15

JR				
ENGL	2210		World Literature II	3 **
			Core Philosophy	3 **
PLPA	3000		General Plant Pathology	4 **
BSEN	3560		Turf Sys Irrig Design	3 **
			Soil Elective	3 **
			Internship*	** **
				16 0

SR				
ACCT	2810		Core Fine Arts	3 **
ENTM		4020	Fund of Accounting Principles	3 **
ENTM	5030		Economic Entomology	** 4
AGRN	3920		Internship	3 **
AGRN	4950		Senior Seminar	** 1
AGRN	5160		Advanced Turfgrass	** 3
AGRN	5020		Nutrient Management	** 3
			Plant Science Elective	3
			ECON/MNGT Elective	** 3
UNIV	4AA0		AG1 Undergraduate Graduation	** 0
				16 17

TOTAL HOURS - 122

*Internship: Spring semester junior year

Animal Sciences (ANSC)

The department offers four curriculum options. The Pre-Vet/Pre-Professional option (ANPV) provides students with a foundation in the biological and physical sciences for careers in emerging areas of animal biotechnology while satisfying requirements for application to Auburn's College of Veterinary Medicine, other professional schools or graduate school. The Production/Management option (ANPM) offers greater breadth in animal production management and agribusiness while retaining more electives hours for additional curriculum flexibility. The Equine Science option (ANEQ) allows students to focus on the sciences and practical skills required for a successful career in the horse industry, and by choosing, appropriate elective courses, will prepare students to apply to Auburn's College of Veterinary Medicine. The Muscle Foods option (ANMF) prepares students for quality assurance and for research and development careers in the food industry. Students may use electives to develop expertise in fields such as animal breeding, nutrition, reproduction, growth, behavior, equine science, and companion animals.

Curriculum in Animal Sciences - Muscle Foods Option

FR	F	S	F	S
ENGL	1100	1120	English Composition I & II	3 3
MATH	1130		Math	3 **
BIOL	1020		Principles of Biology & Lab (1021)	4 **
BIOL		1030	Organismal Biology & Lab (1031).....	** 4
CHEM	1030	1040	Fund of Chemistry I & II.....	3 3
CHEM	1031	1041	Fund of Chemistry I & II Lab.....	1 1
ANSC	1000		Introduction to ANSC	** 4
ANSC	1100		Orientation to ANSC	** 1
				15 15

SO				
ECON	2020		Principles of Microeconomics	3 **
ENGL	2200	2210	World Literature I & II	3 3
			Core Social Science Group I	3 **
			Core History	3 3
CHEM		2030	Organic Chemistry.....	** 3
BIOL	2500	2510	Anat Physiol I & II	4 4
STAT		2510	Statistics for Biol & Life Sciences	** 3
				16 16

JR				
			Core Philosophy	3 **
			Core Fine Arts	3 **
			Public Speaking	** 3
ANSC	1000	3610	Animal Growth and Development	** 4
BIOL	3000		Genetics	4 **
			MF Support**	** 3-4
			ANSC Core I*	** 3-4
ANSC	3700		Muscle Foods	** 4
ANSC	3800		Careers in Animal Ag	** 1
BCHE	3200		Principles of Biochemistry	3 **
				13 14-16

SR				
ANSC	4700		Meat Processing	4 **
BIOL	3200		Microbiology	4 **
			ANSC Core II*	** 4
			MF Support**	4 **
			Free Electives	** 9-11
UNIV	4AA0		AG1 Undergraduate Graduation	** 0
				12 13-15

TOTAL HOURS - 120

* ANSC Core I/II; choose two of these three courses; ANSC-3400, ANSC-3500, or ANSC-3600.

** Muscle Foods (MF) Support courses; see your advisor or the advising check sheet for ANMF.

Curriculum in Animal Sciences - Production Option

FR	F	S	F	S
ENGL	1100	1120	English Composition I & II	3 3
MATH	1130		Math	3 **
BIOL	1020		Principles of Biology & Lab (1021)	4 **
BIOL		1030	Organismal Biology & Lab (1031).....	** 4
CHEM	1030	1040	Fund of Chemistry I & II	3 3
CHEM	1031	1041	Fund of Chemistry I & II Lab	1 1
ANSC	1000		Introduction to ANSC	** 4
ANSC	1100		Orientation to ANSC	** 1
				15 15

SO				
ECON	2020		Microeconomics	3 **
ENGL	2200	2210	World Literature I & II	3 3
			Core Social Science Group I	3 **
			Core History	3 3
CHEM		2030	Organic Chemistry.....	** 3
BIOL	2500	2510	Anat Physiol I & II	4 4
STAT		2510	Statistics for Biol & Life Sciences	** 3
				16 16

JR				
			Core Philosophy	3 **
BIOL	3000		Genetics	4 **
ANSC	3400		Animal Nutrition	** 4
ANSC	3500		Animal Breeding	** 3
ANSC	3600		Reproductive Physiol	4 **
ANSC	3800		Careers in Animal Science	** 1
BIOL	3200		Microbiology	4 **
BCHE	3200		Principles of Biochemistry	3 **
			Directed Elective	** 4
AGEC	4000		Agribus Management	** 3
				18 15

SR				
			Core Fine Arts	3 **
			Public Speaking	3 **
			Directed Elective	** 4
			Free Electives	5 10
UNIV	4AA0		AG1 Undergraduate Graduation	** 0
				11 14

TOTAL HOURS - 120

Curriculum in Animal Sciences - Equine Science Option

FR	F	S		F	S
ANSC		1000	Introduction to ANSC.....	**	4
ANSC	1100		Orientation to ANSC.....	1	**
BIOL	1020		Principles of Biology & Lab (1021).....	4	**
BIOL		1030	Organismal Biology & Lab (1031).....	**	4
CHEM	1030	1040	Fund of Chemistry I & II.....	3	3
CHEM	1031	1041	Fund of Chemistry I & II Lab.....	1	1
ENGL	1100	1120	English Composition I & II.....	3	3
MATH	1130		Math.....	3	**
				15	15
SO					
BIOL	2500	2510	Anat Physiol I & II.....	4	4
CHEM		2030	Survey of Organic Chemistry.....	**	3
ECON		2020	Microeconomics.....	**	3
ENGL	2200	2210	World Literature I & II.....	3	3
STAT	2510		Statistics for Bio/Health.....	3	**
			Core History.....	3	3
			Directed Elective.....	3	**
				16	16
JR					
ANSC		3400	Animal Nutrition.....	**	4
ANSC		3500	Animal Breeding.....	**	3
ANSC	3600		Reproductive Physiol.....	4	**
ANSC		3800	Careers in Animal Ag.....	**	1
BCHE	3200		Principles of Biochemistry.....	3	**
BIOL	3000		Genetics.....	4	**
PHYS	1000		Foundations of Physics.....	4	**
			Core Social Science Group I.....	**	3
			Core Philosophy.....	**	3
				15	14
SR					
AGRN		4010	Forage Production & Utilization.....	**	3
ANSC		4050	Horse Production.....	**	4
BIOL	3200		Microbiology.....	4	**
COMM	1000		Communication.....	3	**
			Core Art.....	3	**
			Directed Elective.....	2	4
			Free Electives.....	3	3
UNIV		4AA0	AG1 Undergraduate Graduation.....	**	0
				15	14

TOTAL HOURS - 120

Curriculum in Animal Sciences Pre-Vet - Pre-Professional Option

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II.....	3	3
MATH	1130		Math.....	3	**
BIOL	1020		Principles of Biology & Lab (1021).....	4	**
BIOL		1030	Organismal Biology & Lab (1031).....	**	4
CHEM	1030	1040	Fund of Chemistry I & II.....	3	3
CHEM	1031	1041	Fund of Chemistry I & II Lab.....	1	1
ANSC		1000	Introduction to ANSC.....	**	4
ANSC	1100		Orientation to ANSC.....	1	**
				15	15
SO					
ENGL	2200	2210	World Literature I & II.....	3	3
			Core Social Science Group I.....	3	**
			Core History.....	3	3
			Core Fine Arts.....	**	3
CHEM	2070	2080	Organic Chemistry I & II.....	3	3
CHEM	2071	2081	Organic Chemistry Lab I & II.....	1	1
BIOL	2500	2510	Anat Physiol I & II.....	4	4
				17	17
JR					
			Core Philosophy.....	3	**
ECON		2020	Microeconomics.....	**	3
PHYS	1500	1510	General Physics I & II.....	4	4
ANSC		3400	Animal Nutrition.....	**	4
ANSC		3500	Animal Breeding.....	**	3
ANSC	3600		Reproductive Physiol.....	4	**
ANSC		3800	Careers in Animal Science.....	**	1
BCHE	3200		Principles of Biochemistry.....	3	**
STAT	2510		Statistics for Biology and Sciences Health.....	3	**
				17	15
SR					
BIOL	3000		Genetics.....	4	**
COMM	1000		Public Speaking.....	3	**
BIOL	3200		Microbiology.....	4	**
			Directed Elective.....	**	4
			Directed Elective.....	**	3-4
			Free Electives.....	**	5-6
UNIV		4AA0	AG1 Undergraduate Graduation.....	**	0
				11	13

TOTAL HOURS - 120

Directed Electives - See advisor for approved course listings.

Biosystems Engineering (BSEN)

The Biosystems Engineering Department offers the only accredited degree in biosystems engineering in Alabama. It is committed to preparing students for productive professional careers in the biosystems industries and related natural resource and environmental systems sectors. Specific educational objectives of the biosystems engineering degree program are to produce graduates with: (1) the skills necessary to solve engineering problems associated with the environment and natural resources, and the production, processing, storage, manufacture, utilization, and recycling of biological products; (2) a fundamental understanding of engineering and biological sciences and the ability to combine knowledge from both domains to develop solutions to problems; (3) the ability to analyze critically and conduct scientific experimentation and engineering analysis that leads to development of environmentally and economically feasible design solutions that can be practically implemented; and (4) the ability to understand and expand the role of engineering in society; communicate, work, and provide leadership in multidisciplinary environments; and continue developing professionally and ethically throughout their career.

The curriculum is coordinated by the Samuel Ginn College of Engineering and the College of Agriculture. Beginning students should apply for admission to the Samuel Ginn College of Engineering and complete the pre-biosystems engineering program. A forest engineering option is also available under the biosystems engineering degree program.

See the Samuel Ginn College of Engineering section for curriculum model, admission and degree requirements.

Fisheries and Allied Aquacultures (FISH)

Fisheries science combines a general foundation in chemistry, mathematics and biological sciences with applied courses in the principles needed to manage fresh and saltwater aquatic resources. The degree is intended to equip students with a broad understanding of fundamental scientific principles needed to develop solutions for the increasing pressures on our aquatic resources and the need to provide safe, reliable food through aquaculture production. Through a sequence of courses, students specialize in emphasis areas of aquatic ecology, fisheries management or aquaculture. The FISH Pre-Vet/Pre-Professional area of emphasis provides students with a broad base of scientific knowledge necessary for success in the College of Veterinary Medicine, other professional schools, or graduate school. Careers for graduates include work in environmental management, fisheries resource management, extension, and commercial aquaculture production, processing, and marketing.

Curriculum in Fisheries and Allied Aquacultures

(Aquaculture, Aquatic Resources Management and Fisheries Management Areas of Emphasis)

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II.....	3	3
HIST	1010	1020	Core History 1 and 2.....	3	**
MATH	1610		Calculus I.....	4	3
PHYS		1000	Foundations of Physics & Lab (1001).....	**	4
BIOL	1020		Principles of Biology & Lab (1021).....	4	**
BIOL		1030	Org Biology & Lab (1031).....	**	4
FISH	1100		Fish Orientation.....	1	**
Comp	1000		Comp 1000.....	**	2
				15	16
SO					
CHEM	1030	1040	Fundamentals of Chemistry I & II.....	3	3
CHEM	1031	1041	Fund of Chemistry Lab I & II.....	1	1
ECON		2020	Principles of Microeconomics.....	**	3
ENGL	2200	2210	World Literature I & II.....	3	3
			Core Philosophy.....	3	**
			Public Speaking.....	3	**
COMM	1000		Public Speaking.....	3	**
BIOL		3060	Principles of Ecology.....	**	4
Elective			Elective.....	1	**
				14	14
SUMMER					
FISH	2100		Introduction to Fish Science (Term III).....	3	
JR					
			Core Fine Arts.....	3	**
			Social Science Group I.....	3	**
CHEM		2030	Organic Chemistry.....	**	3
STAT		2510	Stat Ag & Life Science.....	3	**
			Emphasis.....	3	4
			Water Science.....	3	**
FISH	5220		Limnology.....	**	4
FISH		5320	Limnology.....	**	4
			Directed Science Elective.....	**	4
				15	15

College of Agriculture

SR		Emphasis	4	10
FISH 3950		Careers in Fisheries	1	**
FISH 5380		General Ichthyology	4	**
FISH 5510		Fish Biology & Management	4	**
		Elective	2	3
UNIV	4AA0	AG1 Undergraduate Graduation	**	0
			15	13

TOTAL HOURS - 120

Emphasis - See Advisor for approved course listing.

Curriculum in Fisheries and Allied Aquacultures

Pre-Professional Option

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II	3	3
CHEM	1030	1040	Fundamentals of Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals of Chemistry Lab I & II	1	1
MATH	1610		Calculus	4	**
			Philosophy Core	**	3
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Org Biology & Lab (1031)	**	4
			Elective	**	2
Fish	1100		Fish Orientation	1	**
				15	16
SO				14	15
ECON	2020		Principles of Microeconomics	3	**
ENGL	2200	2210	World Literature I & II	3	3
PHYS	1500		General Physics I	4	**
PHYS		1510	General Physics II	**	4
CHEM	2070	2080	Organic Chemistry I & II	3	3
CHEM	2071	2081	Organic Chemistry I & II Lab	1	1
BIOL		3060	Prin. of Ecol.	**	4

SUMMER					
FISH	2100		Introd. To Fish. Sci. (Mini-Semester III)	3	

JR					
HIST	1010	1020	Core Fine Arts	3	**
COMM	1000		Core History 1 & 2	3	3
			Public Speaking	3	**
			Core Social Science	**	3
STAT		2510	Stat Ag & Life Science	**	3
BCHE	3200		Principles of Biochemistry	3	**
FISH	5220		Water Science	3	**
			Science Electives	**	4
			Elective	**	2
				15	15

SR					
			Emphasis	3	3
FISH		5320	Limnology	**	4
FISH	3950		Seminar	1	**
FISH	5380		General Ichthyology	**	4
FISH	5410		Fish Health	2	**
FISH	5510		Fish Biology & Management	3	**
			Electives	**	2
			Science Elective	**	4
UNIV	4AA0		AG1 Undergraduate Graduation	13	13

TOTAL HOURS - 120

Students in the Pre-Professional emphasis must satisfactorily complete 6 semester hours of Emphasis courses (FISH 6210, FISH 6240, FISH 6250, or FISH 6520) plus 6 semester hours of Science Electives (BIOL 3000, BIOL 3010, BIOL 3200, ANSC 3400, BIOL 4000, BIOL 4100, BIOL 4200, FISH 4970)

Horticulture (HORT)

Courses prepare Horticulture graduates for the following careers; nursery manager, landscape designer, landscape installer, landscape maintenance, interior landscaping, plant propagator, city or state horticulturist, extension horticulturist, horticulture writer, horticulture teacher, florist shop manager, greenhouse manager, vegetable producer, orchard manager, chemical company representative, seed company representative or retail garden center manager.

Four undergraduate tracks are available to students in horticulture: landscape horticulture, nursery and greenhouse science, pre-landscape architecture and fruit and vegetable production. Horticulture offers masters' and doctoral degrees, which lead to professional positions in teaching, research and extension.

Curriculum in Nursery and Greenhouse Science Emphasis

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
CHEM		1030	Fundamentals of Chemistry	**	3
CHEM		1031	Fundamentals of Chemistry Lab	**	1
ENGL	1100	1120	English Composition I & II	3	3
MATH	1130		Pre-Calculus W/Trig OR	3	**
MATH	1150		Pre-Calculus Algebra & Trig	4	**
			Core History I & II	3	3
			Introduction to Horticulture	1	**
				14-15	14
HORT 1010					
SO					
ECON	2020		Microeconomics	3	**
ENGL	2200	2210	World Literature I & II	3	3
			Core Philosophy	**	3
COMM		1000	Public Speaking	**	3
AGRN	2040		Basic Soil Science	4	**
COMP	1000		Personal Computer Applications	2	**
			Core Social Science Group I	3	**
HORT		2240	Plant Propagation	**	3
HORT		3210	Small Trees, Shrubs & Vines	**	4
				15	16
JR					
			Core Fine Arts	**	3
PLPA	3000		General Plant Pathology	4	**
AGRN	3150		Turfgrass Management	4	**
ENTM		4020	Economic Entomology	**	4
HORT	3000		Growth & Dev. of Hort Plants	3	**
HORT	3220		Arboriculture	4	**
HORT	3950		Careers in Horticulture	1	**
HORT		4100	Herbaceous Ornamentals	**	4
			Group I	**	3-4
				16	14-15
SR					
HORT	5220		Greenhouse Management Science	4	**
HORT	5230		Nursery Management	3	**
			Group I	3-4	**
			Group 2	3-4	3-4
			Electives	**	12-13
UNIV	4AA0		AG1 Undergraduate Graduation	**	0
				13-15	15-17

TOTAL HOURS - 120

Group I and 2: see adviser for approved course listing.

Curriculum in Landscape Horticulture Emphasis

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
CHEM		1030	Fundamentals of Chemistry	**	3
CHEM		1031	Fundamentals of Chemistry Lab	**	1
ENGL	1100	1120	English Composition I & II	3	3
MATH	1130		Pre-Calculus W/Trig OR	3	**
MATH	1150		Pre-Calculus Algebra & Trig	4	**
			Core History I & II	3	3
			Introduction to Horticulture	1	**
				14-15	14
HORT 1010					
SO					
ECON	2020		Microeconomics	3	**
ENGL	2200	2210	World Literature I & II	3	3
			Core Philosophy	**	3
COMM		1000	Public Speaking	**	3
AGRN	2040		Basic Soil Science	4	**
COMP	1000		Personal Computer Applications	2	**
			Core Social Science Group I	3	**
HORT		2240	Plant Propagation	**	3
HORT		3210	Small Trees, Shrubs & Vines	**	4
				15	16
JR					
			Core Fine Arts	**	3
PLPA	3000		General Plant Pathology	4	**
AGRN	3150		Turfgrass Management	4	**
ENTM		4020	Economic Entomology	**	4
HORT	3000		Growth & Develop of Hort Plants	3	**
HORT	3220		Arboriculture	4	**
HORT	3950		Careers in Horticulture	1	**
HORT		4100	Herbaceous Ornamentals	**	4
HORT		4270	Intermediate Landscape Design	**	3
				16	14
SR					
HORT	5210		Landscape Bid, Install & Maint	**	4
			Group I	6-8	**
			Group 2	3-4	3-4
			Electives	2-5	8-9
UNIV	4AA0		AG1 Undergraduate Graduation	**	0
				14-15	15-17

TOTAL HOURS - 120

Group I and 2: see adviser for approved course listing.

Curriculum in Pre-Landscape Architecture Emphasis

Students who have successfully completed the first three years of the Pre-Landscape Architecture Emphasis and who have a minimum 2.8 cumulative GPA are eligible to apply to the Landscape Architecture Summer Design Studio. Students who have successfully completed the Summer Design Studio and who are approved by the Landscape Architecture Faculty Admissions Committee are eligible to make application to the Graduate School for the Master of Landscape Architecture Program upon the completion of the fourth year. Please see the Office of Academic Affairs in the College of Agriculture for further information

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
CHEM		1030	Fundamentals of Chemistry	**	3
CHEM		1031	Fundamentals of Chemistry Lab	**	1
ENGL	1100	1120	English Composition I & II	3	3
MATH	1130		Pre-Calculus W/Trig	3	**
MATH	1150		Pre-Calculus Algebra & Trig	4	**
			Core History I & II	3	3
HORT	1010		Introduction to Horticulture	1	**
				14-15	14
SO					
ECON	2020		Microeconomics	3	**
ENGL	2200	2210	World Literature I & II	3	3
			Core Philosophy	**	3
COMM		1000	Public Speaking	**	3
AGRN	2040		Basic Soil Science	4	**
COMP	1000		Personal Computer Applications	2	**
			Core Social Science Group I	3	**
HORT	2240		Plant Propagation	**	3
HORT	3210		Small Trees, Shrubs & Vines	**	4
				15	16
JR					
			Core Fine Arts	**	3
PLPA	3000		General Plant Pathology	4	**
AGRN	3150		Turfgrass Management	4	**
ENTM		4020	Economic Entomology	**	4
HORT	3000		Growth & Develop of Hort Plants	3	**
HORT	3220		Arboriculture	4	**
HORT	3950		Careers in Horticulture	**	1
HORT	4100		Herbaceous Ornamentals	**	4
HORT	4270		Intermediate Landscape Design	**	3
				16	14
SR					
LAND	5100		Mat & Struc Studio	5	**
LAND	5101	5201	Field Studies	1	1
LAND	5120		Hlst oryof Landscape Des	3	**
LAND	5140		Land Arch Const I	3	**
CPLN	5970		Digital Appl - GIS	3	**
LAND		5200	Comm Fabric Studio	**	5
HORT	5210		Landscape Bidding, Installation & Main	**	4
LAND	5220		His of Urban Design	**	3
LAND	5240		Land Arch Const II	**	3
UNIV		84AA0	AG1 Undergraduate Graduation	**	0
				15	16

TOTAL HOURS - 132

SUMMER					
LAND	5000		Landscape Foundation Studio	6	
LAND	5001		Landscape Field Studies	6	

TOTAL HOURS - 126

Curriculum in Fruit and Vegetable Production Emphasis

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
ENGL	1100	1120	English Composition I & II	3	3
MATH	1130		Math	3	**
			Core Fine Arts	**	3
			Core History I & II	3	3
COMM		1000	Public Speaking	**	3
HORT	1010		Introduction to Horticulture	**	1
				14	16
SO					
CHEM	1030	1040	Fundamentals of Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals of Chemistry I & II Lab	1	1
ENGL	2200	2210	World Literature I & II	3	3
			Core Philosophy	**	3
ACCT		2810	Fund of Accounting	**	3
HORT	2010		Fruit and Nut Production	**	4
HORT	2030		Vegetable Production	**	3
HORT	2240		Plant Propagation	**	3
				14	16
JR					
COMP		1000	Personal Computer Applications	**	2
PLPA	3000		General Plant Pathology	**	4
ENTM		4020	Economic Entomology	**	4
			Core Social Science Group I	**	3

ECON	2020	Prin. Microeconomics	**	3
HORT	3000	Group I or 2	3-4	3-4
HORT	5120	Growth & Dev of Hort Plants	3	**
		Small Fruit & Pecan Culture	**	3
			13-14	15-16
SUMMER				
HORT	5110	Tree Fruit Culture	2	
SR				
HORT	5130	Sustain Veg Crop Production	3	**
HORT	5140	Postharvest Biology & Tech	**	3
		Group I or 2	**	6-8
AGRN	2040	Basic Soil Science	4	**
		Electives	7	4-6
UNIV	4AA0	AG1 Undergraduate Graduation	**	0
			14	13-17

TOTAL HOURS - 120

Horticulture Elective Group I and 2: see adviser for approved course listing.

Poultry Science (POUL)

Three curriculum options are available to students in Poultry Science 1) Poultry Production, 2) Pre-Veterinary Medicine, and 3) Poultry Processing and Products. Each curriculum option leads to the BS degree in Poultry Science. Professional and general electives within each option allow students to pursue expertise in their individual area of interest. Enrollment in summer internship is required in all three options.

Curriculum in Poultry Production

This curriculum option is designed to develop technical, analytical, communication, business and management skills needed for advancement to leadership positions in the live poultry production, and allied agricultural industries. Graduates will be able to apply their knowledge of science, economics, business and ethics to identify, analyze and responsibly address challenges associated with modern poultry production. Relevant courses in poultry processing and products are also included in this curriculum option.

FR	F	S		F	S
COMP	1000		Pers Comp Applications	2	**
			Core Philosophy	**	3
CHEM	1030	1040	Fundamentals of Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals of Chemistry I & II Lab	1	1
ENGL	1110	1120	English Composition I & II	3	3
MATH	1130		Pre-Calculus w/Trigonometry	3	**
			Social Science Group I	**	3
COMM		1000	Public Speaking	**	3
POUL	1000		Introductory Poultry Science	3	**
				15	16
SO					
			Core History	3	3
			Core Fine Arts	**	3
ECON	2020	2020	Microeconomics	**	3
ENGL	2200	2210	World Literature I & II	3	3
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
POUL	3030		Comm Poultry Production	**	4
CHEM		2030	Survey Organic Chemistry	**	3
				17	16
JR					
BCHE		3200	Principles of Biochemistry	**	3
PHYS		1000	Foundations of Physics	4	**
POUL	3150		Poultry Physiology	**	4
POUL	3060		Brd, Frt, & Htch	**	4
POUL	5110		Poultry Process	3	**
STAT	2510		Introduction to Statistics	3	**
			Professional Electives	4	4
				14	15
SR					
AGEC	4000		Agribusiness Management	3	**
			COMM 2410 or ENGL 3040 or ENGL 3080	**	3
BIOL	3200		Microbiology	**	4
POUL	5040		Poultry Further Proc	**	4
POUL	5050		Poultry Feeding	**	4
POUL	5080		Poultry Health	**	3
POUL	5160		Principles Food Safety	**	3
			General Electives	**	2
			Professional Electives	**	4
				15	15
SUMMER					
POUL	4920		Poultry Science Internship	3	**
UNIV	4AA0		AU1 Undergraduate Graduation	**	0

TOTAL HOURS - 126

Professional electives see advisor for approved list.

Curriculum in Poultry Science/Pre-Veterinary Medicine

This curriculum option is designed to develop the technical, analytical, and communication skills, as well as the broad scientific foundation needed for success in post-graduate degree programs such as doctor of veterinary medicine, master of science, doctor of philosophy or other post-graduate professional degrees. Completion of this curriculum option will also prepare graduates for technical and research positions in poultry and allied industries. Courses listed for the first six semesters satisfy requirements for admission to the College of Veterinary Medicine. Completion of the remaining requirements or successful completion of one year in the College of Veterinary Medicine entitles the student to a BS degree in poultry science.

FR	F	S		F	S
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
COMP		1000	Pers Comp Applications	**	2
			Core Fine Arts	**	3
CHEM	1030	1040	Fundamentals of Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals of Chemistry I & II Lab	1	1
MATH	1130		Pre-Calculus w/Trigonometry	3	**
ENGL		1100	English Composition I	**	3
POUL	1000		Introductory Poultry Science	3	**
				14	16
SO					
			Core History	3	**
ENGL	1120		English Composition II	3	**
			Core Philosophy	**	3
ECON		2020	Microeconomics	**	3
CHEM	2070	2080	Organic Chemistry I & II	3	3
CHEM	2071	2081	Organic Chemistry I & II Lab	1	1
POUL	3030		Comm Poul Production	4	**
PHYS		1500	General Physics I	**	4
			Core Social Science Group I	**	3
				17	17
JR					
ENGL	2200	2210	World Literature I & II	3	3
BIOL	3200	3200	Microbiology	**	4
BCHE	3200		Principles of Biochemistry	**	3
BIOL	3000		Genetics	4	**
POUL	5110		Poultry Processing	3	**
PHYS	1510		General Physics II	4	**
ANSC	3400		Animal Nutrition	**	4
POUL	3150		Poultry Physiol	**	4
				17	15
SR					
STAT		2510	Statistics for Biol & Health Sciences	**	3
COMM		1000	Public Speaking	**	3
POUL	4920		Poultry Science Internship	3	**
POUL	5050		Poultry Feeding	4	**
POUL	5160	5160	Principle Food Safety	**	3
POUL	5040		Poultry Further Proc	4	**
POUL	5080		Poultry Health	**	3
			General Elective	4	3
UNIV		4AA0	AU1 Undergraduate Graduation	**	0
				15	15

TOTAL HOURS - 126

Professional electives see advisor for approved list.

Curriculum in Poultry Processing and Products

This curriculum option is designed to develop the technical, analytical, communication, business and management skills needed for advancement to leadership positions in the poultry processing, food, and allied agricultural industries. This curriculum option involves all aspects of the food industry from raw materials through processing and packaging to marketing final products. Relevant courses in poultry production are also included in this curriculum option. Fundamental principles along with practical application in poultry and food science allows students to fit their education to their personal career goals. Career opportunities for graduates would include: quality assurance-food safety, research & product development, technical service, food regulation, and sales.

FR	F	S		F	S
			Core Fine Arts	**	3
COMP		1000	Pers Comp Applications	**	2
COMM		1000	Public Speaking	**	3
			Core Social Science Group I	3	**
CHEM	1030	1040	Fundamentals of Chemistry I & II	3	3
CHEM	1031	1041	Fundamentals of Chemistry I & II Lab	1	1
MATH	1130		Pre-Calculus w/Trigonometry	3	**
ENGL	1100	1120	English Composition I & II	3	3
POUL	1000		Introductory Poultry Science	3	**
				16	15
SO					
			Core History	3	3
			Core Philosophy	3	**
ECON		2020	Microeconomics	**	3
ENGL	2200	2210	World Literature I & II	3	3
BIOL	1020		Principles of Biology & Lab (1021)	4	**
BIOL		1030	Organismal Biology & Lab (1031)	**	4
CHEM		2030	Organic Chemistry	**	3
PHYS	1000		Foundations of Physics	4	**
				17	16
JR					
STAT		2510	Statistics for Biol & Health Sciences	3	**
BCHE	3200		Principles of Biochemistry	3	**
BIOL	3200		Microbiology	4	**
BIOL	5660	5660	Food Microbiology	**	5
POUL	3150		Poultry Physiol	**	4
POUL	5150	5150	Food Laws and Regulations	**	3
			Processing Course	3-4	**
			PPP Support Course	**	3-4
				13-14	15-16
SR					
BSEN	5550		Prin. Food Engr. Tech	4	**
NUFS	5450		Food Analysis and Quality Control	4	**
NUFS		5430	Food Chemistry	**	4
POUL	3030		Comm Poul Production	4	**
POUL	5160	5160	Principle Food Safety	**	3
			Processing Course	3-4	4
			PPP Support Course	**	3-4
				15-16	15-16
SUMMER					
POUL	4920		Poultry Science Internship	3	**
UNIV		4AA0	AU1 Undergraduate Graduation	**	0

TOTAL HOURS - 126